



Front cover image: Protein-protein and protein-lipid interactions as well as lipid bilayer properties control the structure of transmembrane helix dimers. Sequence specific interactions, e.g. mediated by GxxxG-like motifs, are strongly modulated by the sequence context. Furthermore, bilayer properties, such as the bilayer thickness, bilayer asymmetry, membrane fluidity or interactions of defined amino acids with lipid head groups might influence a transmembrane protein structure.

Publication information: *Biochimica et Biophysica Acta (Biomembranes)* (ISSN 0005-2736). For 2012, Volume 1818 (12 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Elsevier Customer Service Department nearest you or from this journal's website (<http://www.elsevier.com/locate/bbmem>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch. **Orders, claims, and journal enquiries:** Please contact the Elsevier Customer Service Department nearest you: **St. Louis:** Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (877) 8397126 [toll free within the USA]; (+1) (314) 4478878 [outside the USA]; fax: (+1) (314) 4478077; e-mail: JournalCustomerService-usa@elsevier.com. **Oxford:** Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: JournalCustomerServiceEMEA@elsevier.com. **Tokyo:** Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalCustomerServiceJapan@elsevier.com. **Singapore:** Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalCustomerServiceAPAC@elsevier.com. **Author enquiries:** For enquiries relating to the submission of articles (including electronic submission), please visit this journal's homepage at <http://www.elsevier.com/locate/bbmem>. Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher. You can track accepted articles at <http://www.elsevier.com/trackarticle>. You can also check our Author FAQs at <http://www.elsevier.com/authorFAQ> and/or contact Customer Support via <http://support.elsevier.com>. **Advertising information:** If you are interested in advertising or other commercial opportunities please e-mail CommercialSales@elsevier.com and your enquiry will be passed to the correct person who will respond to you within 48 hours.

Printed by Polestar Wheatons Ltd., Exeter, United Kingdom

© The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

BIOMEMBRANES

Executive Editors: Yechiel Shai (*Rehovot, Israel*)
Hans J. Vogel (*Calgary, AB, Canada*)

Section Editors:

Francisco J. Barrantes (*Bahia Blanca, Argentina*)
Eitan Bibi (*Rehovot, Israel*)
Robert Blumenthal (*Frederick, MD, USA*)
Robert Brasseur (*Gembloux, Belgium*)
Amit Chattopadhyay (*Hyderabad, India*)
Marco Colombini (*College Park, MD, USA*)
John H. Crowe (*Davis, CA, USA*)
William F. DeGrado (*San Francisco, CA, USA*)
Donald Engelman (*New Haven, CT, USA*)
Klaus Gawrisch (*Rockville, MD, USA*)
Astrid Gräslund (*Stockholm, Sweden*)
Huey W. Huang (*Houston, TX, USA*)
Leaf Huang (*Chapel Hill, NC, USA*)
Kenneth A. Jacobson (*Bethesda, MD, USA*)
Valerian E. Kagan (*Pittsburgh, PA, USA*)
Michael M. Kozlov (*Tel Aviv, Israel*)
Akihiro Kusumi (*Nagoya, Japan*)
Katsumi Matsuzaki (*Kyoto, Japan*)
Jesus Pérez-Gil (*Madrid, Spain*)
Manuel Prieto (*Lisbon, Portugal*)
Ayyalusamy Ramamoorthy (*Ann Arbor, MI, USA*)
Mark S.P. Sansom (*Oxford, United Kingdom*)
Suzanne Scarlata (*Stony Brook, NY, USA*)
Frances Separovic (*Melbourne, VIC, Australia*)
Kai Simons (*Dresden, Germany*)
J. Peter Slotte (*Turku, Finland*)
Lukas K. Tamm (*Charlottesville, VA, USA*)
Peter Tieleman (*Calgary, AB, Canada*)
Gunnar von Heijne (*Stockholm, Sweden*)
Tony Watts (*Oxford, United Kingdom*)
Stephen H. White (*Irvine, CA, USA*)
Christopher M. Yip (*Toronto, ON, Canada*)
Michael Zasloff (*Washington, D.C., USA*)

Keywords that indicate the expertise of each Editor can be found on the journal homepage at <http://www.elsevier.com/locate/bbmem>.

Scientific Editors (*Elsevier, Cambridge, MA, USA*):

Shawnna BATTERY
Claudia Montefusco
Laura Wallins
Denise M. Wells (Manager)



ELSEVIER

Amsterdam – Boston – London – New York – Oxford – Paris –
Philadelphia – San Diego – St. Louis